PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference A2004/00080	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/AT2005/000004	International filing date (day/month/year) 14 January 2005 (14.01.2005)	Priority date (day/month/year) 23 January 2004 (23.01.2004)	
International Patent Classification (8th See relevant information in Form F	n edition unless older edition indicated) PCT/ISA/237		
Applicant GREINER BIO-ONE GMBH			

1.	 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Λuthority under Rule 44 bis. 1(a). 					
2.	This REPORT consists of a total of 8 sheets, including this cover sheet.					
	In the attached sheets, any refere to the international preliminary r		the International Searching Authority should be read as a reference or I) instead.			
3.	This report contains indications	relating to the following items				
	Box No. I	Basis of the report				
	Вох №. П	Priority				
	Box No. III	Non-establishment of opin applicability	ion with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention				
`	Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement			
	Box No. VI	Certain documents cited				
.*	Box No. VII	Certain defects in the inter	national application			
	Box No. VIII	Certain observations on the international application				
		•				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).					
			Date of issuance of this report 14 December 2006 (14.12.2006)			
	The International Bure	au of WIPO	Authorized officer			
	34, chemin des Colombettes 1211 Geneva 20, Switzerland		Yolaine Cussac			

e-mail: pt11@wipo.int

Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing See form PCT/ISA/210 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION A2004/00080 See paragraph 2 below-Priority date (day/month/year) International application No. International filing date (day/month/year) PCT/AT2005/000004 14.01.2005 23.01.2004 International Patent Classification (IPC) or both national classification and IPC B01L3/14, B67B3/20, B65B7/28, B67B3/00, B67B3/10 GREINER BIO-ONE GMBH This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/EP

Telephone No.

Facsimile No.

Box	No. I B	asis of this opinion	·			
1.		the language, this opinion nerwise indicated under this	has been established on the basis item.	of the international app	lication in the language in	which it was
	This opin	ion has been established or	the basis of a translation from the	c original language into	the following language	-
	·		, which is the language of a trans	slation furnished for the	purposes of international	scarch (under
	Rule 12.3	and 23.1(b)).				•
2.		any nucleotide and/or a opinion has been establishe	mino acid sequence disclosed d on the basis of:	in the international app	plication and necessary to	o the claimed
	a. type of m	aterial				
	a se	quence listing	•			
	tabl	le(s) related to the sequence	listing	`		•
	b. format of	material				
	inv	vritten format				
	-	computer readable form				
		•	•			
		ling/furnishing			•	
	con	tained in the international a	application as filed.		•	
ĺ	file	d together with the internat	ional application in computer reac	table form.		
	· L fun	nished subsequently to this	Authority for the purposes of sear	rch.		
,		:	han and warden as above of a sad	wansa listing and/or tal	ble(c) relating thereto has	been filed or
3.	furnished	, the required statements th	han one version or copy of a sequal the information in the subsequ	ent or additional copies		
	filed or d	oes not go beyond the appli	ication as filed, as appropriate, we	re lumished.	•	•
4.	Additional com	ments:		N.		
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Box No. IV Lack of unity of invention	
1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:	
paid additional fees	
paid additional fees under protest	
not paid additional fees	
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant tadditional fees.	o pay
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is	
complied with	
not complied with for the following reasons:	
This Authority has determined that this international	
application contains multiple inventions or groups of	
inventions that are not linked to form a single	
general inventive concept (PCT Rule 13.1), namely:	
	• ;
I: Claims 1-75, 92-107	
II: Claims 76-91	٠
The only same or corresponding technical feature	
shared among the above independent claims of the	
application is a receptacle. Therefore, there is no	
unity of invention among the aforesaid groups of	-
claims as required by PCT Rules 13.1 and 13.2, neither	
in respect of the special technical features nor as	
regards the problems being solved.	
4. Consequently, this opinion has been established in respect of the following parts of the international application:	
all parts	
the parts relating to claims Nos.	<u> </u>

Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
1.	Statement		
	Novelty	(N) Claims	YES
		Claims	- NO
	Inventive	e step (IS) Claims	YES
		Claims	NO
	Industria	al applicability (IA) Claims	YES
		Claims	NO
2.	Ciassi	d and and and	
		d explanations:	
	1.0	Reference is made to the following documents:	
		D1: US 6 006 930 A (DREYER ET AL) 28 December	
		1999 (1999–12–28)	
		D2: US 5 967 352 A (REPP ET AL) 19 October 1999	
		(1999-10-19)	,
		D3: US 4 948 001 A (MAGLY ET AL) 14 August 1990	
		(1990-08-14)	
		D4: US 5 858 141 A (REPP ET AL) 12 January 1999	
		(1999-01-12)	
		D5: US-B1-6 516 953 (DICESARE PAUL C ET AL) 11	
		February 2003 (2003-02-11)	
		D6: US-B1-6 406 671 (DICESARE PAUL C ET AL) 18	
		June 2002 (2002-06-18)	
	0.0	INDEPENDENT CLAIMS 1, 19, 40, 76, 95	
	2.0	INDEPENDENT CLAIMS 1, 19, 40, 70, 93	
	2.1	The present application does not meet the	
	2.1	requirements of PCT Article 33(1) because the	
		subject matter of claims 1, 19, 40, 76, 95 is not	
		novel within the meaning of PCT Article 33(2).	
		nover arenam ene meaning of for interest 35 (2).	
	2.2	Document D1 discloses (the references between	
	_	parentheses apply to said document):	
1			

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2.3 [Claim 19]

A cap (11) for forming a sealing device (1), said cap comprising a cap sheath, two end portions at a distance from each other in the direction of a longitudinal axis and at least one first part of a thread arrangement (13) disposed on an inner surface of the cap sheath, characterised in that a pitch angle of at least one thread of the thread arrangement is selected from a range between a lower limit of 2° and an upper limit of 30° relative to a plane aligned perpendicularly to the longitudinal axis (D1, column 2, lines 40-41: within the range 3° to 4°).

2.4 [Claim. 40]

A receptacle (1 a), said receptacle having two ends at a distance from each other in the direction of a longitudinal axis and said receptacle bounding an inner chamber, wherein at least one of the two ends has an open front side that can be sealed by the openable sealing device (1) and at least a second part of a thread arrangement (3) is disposed on an outer surface of the receptacle, characterised in that a pitch angle of at least one thread of the thread arrangement is selected from a range between a lower limit of 2° and an upper limit of 30° relative to a plane aligned perpendicularly to the longitudinal axis (D1, column 2, lines 40-41: within the range 3° to 4°).

International application No.
PCT/AT2005/000004

2.5 [Claim 95]

A storage device comprising at least one cap (11),
a sealing device retained therein ("secure
interlock and force fit", column 2 lines 9-11) and
a receptacle (1 a), characterised in that the cap
is configured according to claim 19 and the
receptacle is configured according to claim 40.

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;

2.6 [Claim 1]

Box No. V

A method for the assembly of a cap (11) of a sealing device with an open end of a receptacle (1 a), in which a relative turning or pivoting motion between the cap and the receptacle is carried out about a common longitudinal axis, characterised in that the relative displacement is carried out by exerting a pressure force (F) on at least one of the assembly components (11, 1 a), approximately in the direction of the longitudinal axis.

Note: By turning the cap relative to the receptacle, a pressure force is exerted on the cap in the direction of the longitudinal axis.

2.7 Document D5 discloses (the references between
parentheses apply to said document):

2.8 [Claim 76]

A receptacle (10), said receptacle having two ends at a distance from each other in the direction of a longitudinal axis and said receptacle bounding an inner chamber, wherein at least one of the two ends has an open front side that can be sealed by

International application No.
PCT/AT2005/000004

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V citations and explanations supporting such statement the openable sealing device (34), and a separator device (64) can be inserted into its starting position through the open front side into the inner chamber, characterised in that at least one throughflow channel (Fig 8) between a container wall of the receptacle and the insertable separator device is configured in the region of the starting position of the insertable separator device (64). 3 DEPENDENT CLAIMS 2-18, 20-39, 41-75, 77, 92-107 Claims 2-18, 20-39, 41-75, 77, 92-107 do not contain any features that, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty or inventive step.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	ITY		ANC.	
Tu:			PCT PCT	
			RITTEN OPINION OF THE / IONAL SEARCHING AUTHORITY	
		·	(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	See form PCT/ISA/210	
Applicant's or agent's file reference A2004/00080		FOR FURTHER ACTION See paragraph 2 below		
International application No. PCT/AT2005/00004	International filing date (l day/month/year)	Priority date (day/month/year) 23.01.2004	
International Patent Classification (IPC) or both B01L3/14, B67B3/20, E Applicant GREINER BIO-ONE GMBH			7B3/10	
1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion				
Name and mailing address of the ISA/EP		Authorized officer		
Facsimile No.		Telephone No.		

Box	No. I	Basis of this opinion	
1.		regard to the language, this opinion has been unless otherwise indicated under this item.	established on the basis of the international application in the language in which it was
		· · · · · ·	is of a translation from the original language into the following language
	-	Rule 12.3 and 23.1(b)).	is the imagence of a remissation running to the purposes of inactinational source (when
2.		regard to any nucleotide and/or amino ac ation, this opinion has been established on the	cid sequence disclosed in the international application and necessary to the claimed basis of:
	a.	type of material	
		a sequence listing	
		table(s) related to the sequence listing	
	Ь.	format of material	
		in written format	
		in computer readable form	
	c.	time of filing/furnishing	
		contained in the international application	on as filed.
		filed together with the international app	olication in computer readable form.
		furnished subsequently to this Authority	y for the purposes of search.
,	\Box	To addition in the case that many than any	yursian ay annu of a sequence listing and/on table/s) soleting themses have filed or
3.	Ш		version or copy of a sequence listing and/or table(s) relating thereto has been filed or formation in the subsequent or additional copies is identical to that in the application as a filed, as appropriate, were furnished.
4.	A ddi	tional comments:	
٠.	7 rour	rolar connictes.	
		•	
		•	
		· .	
		•	

Box No. IV Lack of unity of invention
1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
paid additional fees
paid additional fees under protest
not paid additional fees
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to padditional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
complied with
not complied with for the following reasons:
This Authority has determined that this international
application contains multiple inventions or groups of
inventions that are not linked to form a single
general inventive concept (PCT Rule 13.1), namely:
I: Claims 1-75, 92-107
II: Claims 76-91
The only same or corresponding technical feature
shared among the above independent claims of the
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unity of invention among the aforesaid groups of
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all parts
the parts relating to claims Nos.

Box	x No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	,
1.	Statement		
	Novelty	(N) Claims	YES
	•	Claims	NO
	Inventiv	e step (IS) Claims	YES
		Claims	NO
	Industria	al applicability (IA) Claims	YES
	-	Claims Claims	
.2.	Citations on	nd explanations:	
.2.	1.0	•	
	1.0	Reference is made to the following documents:	
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		D2: US 5 967 352 A (REPP ET AL) 19 October 1999	
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		(1990-08-14)	
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		D6: US-B1-6 406 671 (DICESARE PAUL C ET AL) 18	
		June 2002 (2002-06-18)	
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	2.1	The present application does not meet the	
		requirements of PCT Article 33(1) because the	
		subject matter of claims 1, 19, 40, 76, 95 is not	
		novel within the meaning of PCT Article 33(2).	
		·	
	2.2	Document D1 discloses (the references between	
		parentheses apply to said document):	
i			

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2.3 [Claim 19]

A cap (11) for forming a sealing device (1), said cap comprising a cap sheath, two end portions at a distance from each other in the direction of a longitudinal axis and at least one first part of a thread arrangement (13) disposed on an inner surface of the cap sheath, characterised in that a pitch angle of at least one thread of the thread arrangement is selected from a range between a lower limit of 2° and an upper limit of 30° relative to a plane aligned perpendicularly to the longitudinal axis (D1, column 2, lines 40-41: within the range 3° to 4°).

2.4 [Claim. 40]

A receptacle (1 a), said receptacle having two ends at a distance from each other in the direction of a longitudinal axis and said receptacle bounding an inner chamber, wherein at least one of the two ends has an open front side that can be sealed by the openable sealing device (1) and at least a second part of a thread arrangement (3) is disposed on an outer surface of the receptacle, characterised in that a pitch angle of at least one thread of the thread arrangement is selected from a range between a lower limit of 2° and an upper limit of 30° relative to a plane aligned perpendicularly to the longitudinal axis (D1, column 2, lines 40-41: within the range 3° to 4°).

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V citations and explanations supporting such statement 2.5 [Claim 95] A storage device comprising at least one cap (11), a sealing device retained therein ("secure interlock and force fit", column 2 lines 9-11) and a receptacle (1 a), characterised in that the cap is configured according to claim 19 and the receptacle is configured according to claim 40. [Claim 1] 2.6 A method for the assembly of a cap (11) of a sealing device with an open end of a receptacle (1 a), in which a relative turning or pivoting motion between the cap and the receptacle is carried out about a common longitudinal axis, characterised in that the relative displacement is carried out by exerting a pressure force (F) on at least one of the assembly components (11, 1 a), approximately in the direction of the longitudinal axis. Note: By turning the cap relative to the receptacle, a pressure force is exerted on the cap in the direction of the longitudinal axis. 2.7 **Document D5** discloses (the references between parentheses apply to said document): 2.8 [Claim 76] A receptacle (10), said receptacle having two ends at a distance from each other in the direction of a longitudinal axis and said receptacle bounding an inner chamber, wherein at least one of the two

ends has an open front side that can be sealed by

Box No. V

3

International application No. PCT/AT2005/000004

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement the openable sealing device (34), and a separator device (64) can be inserted into its starting position through the open front side into the inner chamber, characterised in that at least one throughflow channel (Fig 8) between a container wall of the receptacle and the insertable separator device is configured in the region of the starting position of the insertable separator device (64).

> DEPENDENT CLAIMS 2-18, 20-39, 41-75, 77, 92-107 Claims 2-18, 20-39, 41-75, 77, 92-107 do not contain any features that, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty or inventive step.